D0 Status Report 2/14/2005

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Fermilab

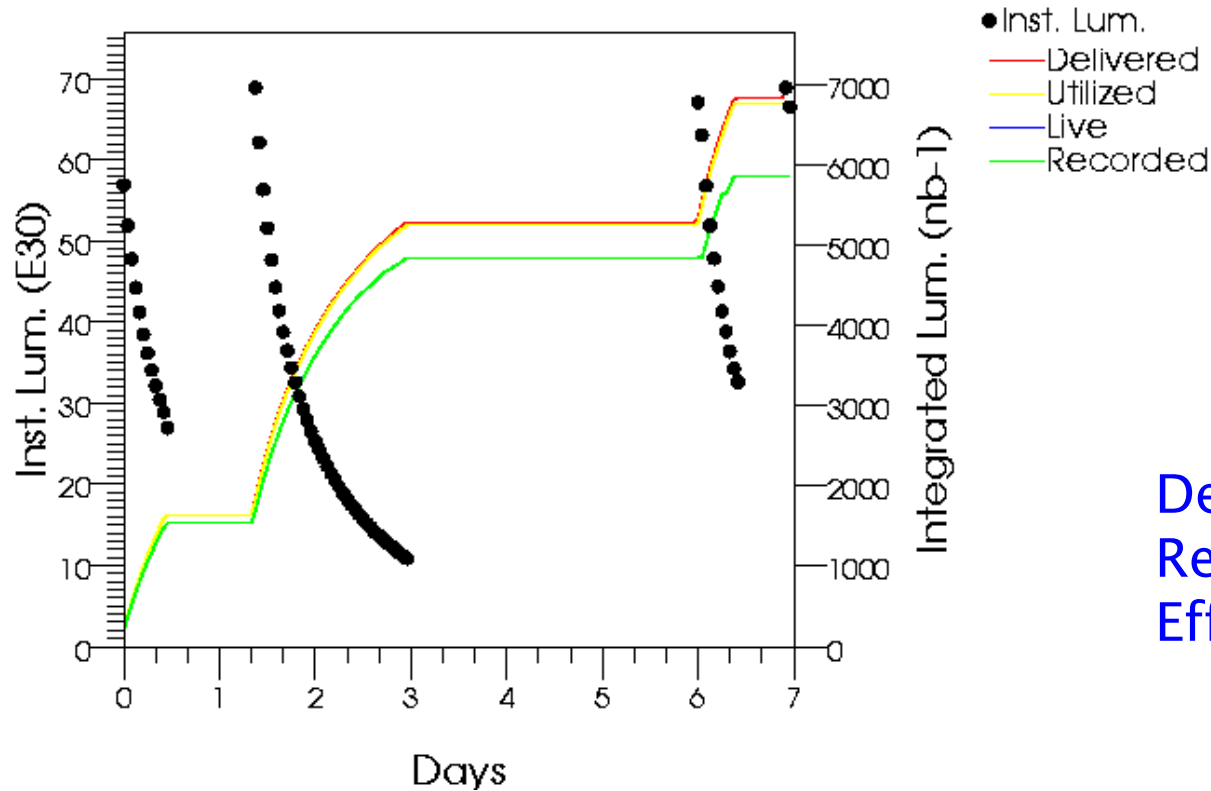# Daily Report for 2/7 – 2/13

Smooth running early in the week, a short shutdown and a rough weekend

Day	Delivered	Recorded	Eff.	Comments
2/7 (Mon)	1.648 pb^{-1}	1.534 pb^{-1}	93.0 %	
2/8 (Tue)	2.201 pb^{-1}	2.006 pb^{-1}	91.2 %	
2/9 (Wed)	1.446 pb^{-1}	1.309 pb^{-1}	90.5 %	A special run for cal calibration taken
2/10 (Thu)	Supervised access: Survey, repairs, etc			
2/11 (Fri)				
2/12 (Sat)	Controlled access and water leak repair			
2/13 (Sun)	1.675 pb^{-1}	1.027 pb^{-1}	61.3 %	Lost store 3977 due to interlock

Week of 2/7 – 2//13

Delivered: 6.970 pb^{-1}
Recorded: 5.875 pb^{-1}
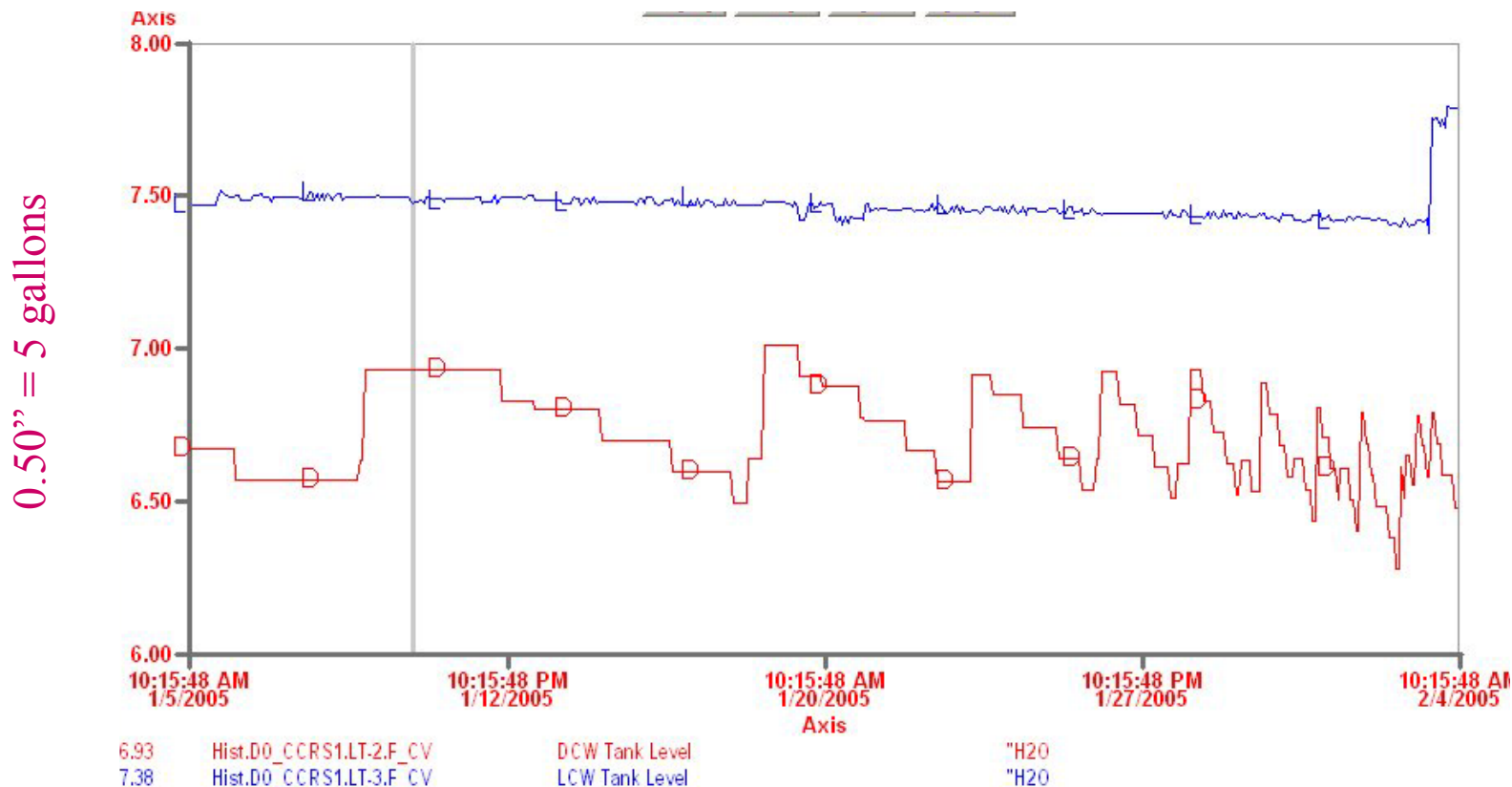Efficiency: 84.3 %

Store 3972
2/8 and 2/9

- A long store with a low lumi near the end
- Opportunity for special runs

  - Calorimeter special run
    - Read out x1 and x8 paths
    - Usually read out only one path

  - v13.51 trigger run
    - No trigger change
    - A new version of Level 3 code
      - A faster SMT unpacking
      - A new CFT dead fiber map
      - Faster muon tools
    - Bug fixes in Cal unpacker

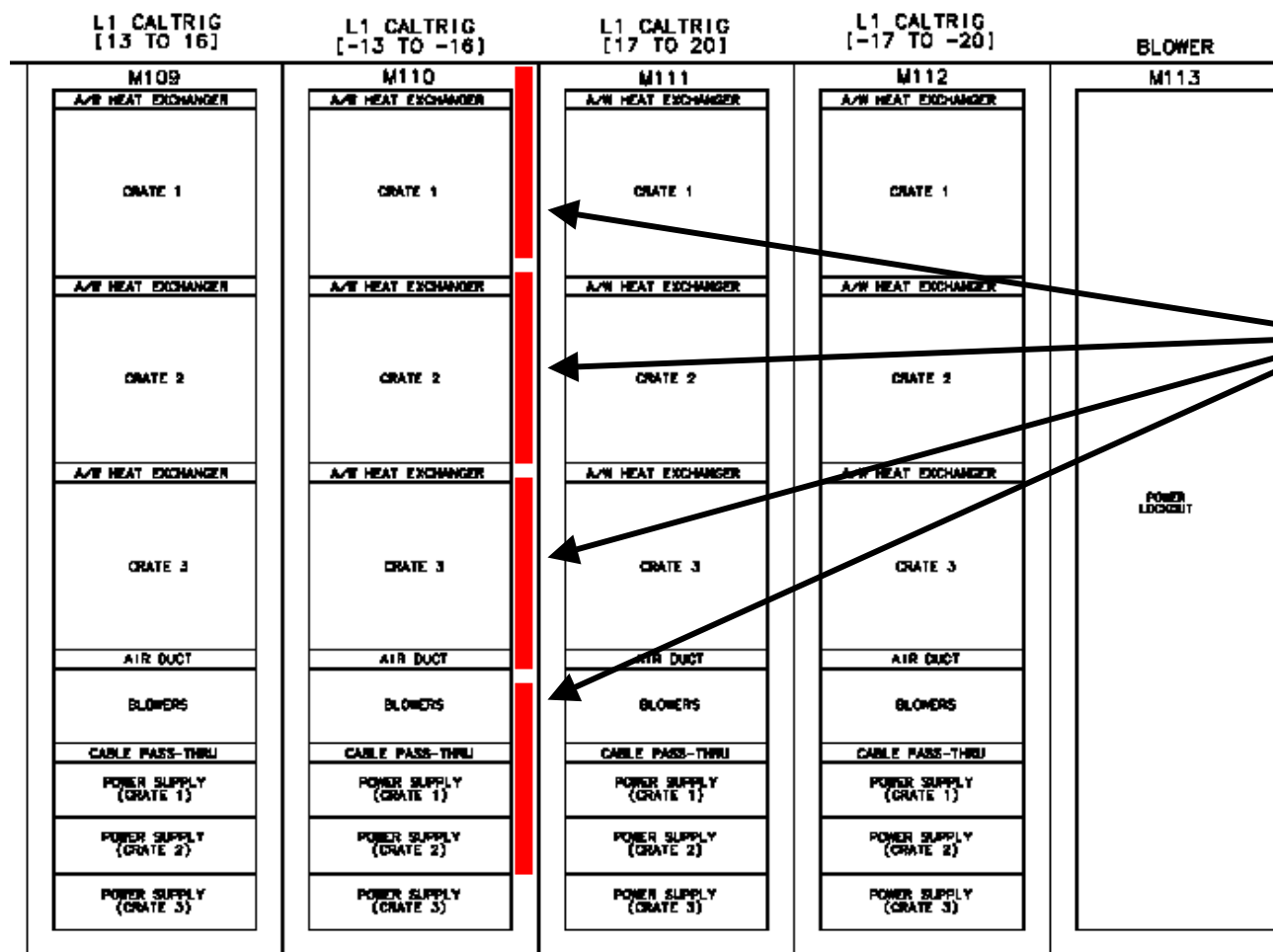# Level1 Cal Rack Water Leak

DCW & LCW tank level – 30 days

Level1 Cal Rack Water Leak

Level1 Cal Rack Water Leak

- Water leak in Level 1 Cal Trigger rack.

- Traced to a copper tube in one of four radiators.

- Very hard to access. Requires a few days of work.

- Solution:

  - Disconnect the leaking radiator.

  - Reduce the heat load by removing unused cards.

    Trigger towers for $3.2 < \eta < 4.0$ not in Trigger.